Form C-104
Rev. 2/07

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 04/10/2008

Contract ID 070629-611 | Job No. J6I1838
County St. Louis, Jefferson | Route I-64&I-55 | Original Bid Cost $5,450,536.73
Contractor Gerstner Electric Inc. | By Steve Gerstner
Designed By HDR | Phone (636) 349-5999

VECP 08-94

1. **Description of existing requirements and proposed change(s). Advantages/Disadvantages**

   Relocate existing wireless bridge antenna to reduce the amount of electrical cable required to power device. Also, change the foundation of 30 foot tall repeater pole from a drilled shaft to a screw pile.

2. **Estimate of reduction in construction costs.** $30,715.44

3. **Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**

   None.

4. **Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**

   04/18/2008
   (date)

5. **Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**

   04/18/2008 (date) — Will require rescheduling of crews to different parts of the project. (effect)

6. **Dates of any previous or concurrent submission of the same proposal.**

   12/4/07
   (date and/or dates)

Additional Comments:

*** Portion Below This Line To Be Filled Out by MoDOT ***

Comments:
I feel that this proposal should be approved. I have talked to MoDOT's District 6 Personnel who are responsible for ITS operations & the project manager and they all agree that this VE should be approved.

Scott Washburn — 4/23/08
Submitted By Resident Engineer — Date

Comments: 50/50 – Hard copy was mis-placed. Approve as noted above

☑ Approval Recommended
☐ Rejection Recommended

Ed Hamp — 10-30-08
District Engineer — Date

Comments: See above comments

☑ Approval
☐ Rejection

RTM for Dave Allen — 11/03/08
State Operations Engineer — Date

Distribution: Resident Engineer, District Operations Engineer, State Operations Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

Patrick L McDaniel/SC/MODOT
04/24/2008 06:42 AM

To Scott J Washausen/D6/MODOT@MODOT
cc Matthew J Budd/D6/MODOT@MODOT, Charlotte M Stewart/D6/MODOT@MODOT, Thomas E Allen/SC/MODOT@MODOT
bcc
Subject Re: Job J6I1838 - VE Proposal

I don't see any problem with the VE proposal.

Pat McDaniel
CM Liaison Engineer
Construction and Materials, MoDOT
Pat.McDaniel@modot.mo.gov
Phone: (573) 751-3759
Fax: (573) 526-5640
Charlotte M Stewart/D6/MODOT

Charlotte M Stewart/D6/MODOT
04/23/2008 02:52 PM

To Thomas E Allen/SC/MODOT@MODOT, Patrick L McDaniel/SC/MODOT@MODOT, Matthew J Budd/D6/MODOT@MODOT
cc Scott J Washausen/D6/MODOT@MODOT
Subject Job J6I1838 - VE Proposal

Please see VE Proposal attachment.

VE Proposal - Wireless Bridge Antenna & Foundation.pdf

If you have any questions, please contact Scott Washausen at 314-487-2512.

Thanks,
Charlotte Stewart
Mehlville Project Office
7550 S. Lindbergh
St. Louis, MO 63125

plan	VE	ITEM	Description	Difference	Unit cost	extended cost	
12	0	0190	2' Drilled shaft	-12	196.45	$ (2,357.40)	
13194	1080	0510	#8	-12114	1.01	$ (12,235.14)	
4398	360	0560	#8 Bare	-4038	0.9	$ (3,634.20)	
9075	6681	0500	#6	-2394	1.21	$ (2,896.74)	
3025	2227	0550	#6 Bare	-798	1.06	$ (845.88)	
4	2	0580	Class 1 PB	-2	937.25	$ (1,874.50)	
2	0	0740	Type 7	-2	2147.05	$ (4,294.10)	
4	2	0810	Class 5 PB	-2	1707.74	$ (3,415.48)	
0	1	5004	Screw Pile	1	1268.57	$ 838.00	
						$ (30,715.44)	

OCT-30-2008 07:13 From:DBCC-MDDOT MEHLVILLE To:3143404297 Page:4/4

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☒ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Relocate existing wireless bridge antenna to reduce the amount of electrical cable required to power device. Also change the foundation of 30-foot tall repeater pole from a drilled shaft to screw pile.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

All.